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Approved for use through 10/31/2002. OMB 0651-0032

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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. NORTH-439A/A-2234 First Inventor Steven Allen Schwartz Title SYSTEM AND METHOD FOR AUTOMATIC RECOGNITION

OF FORMATIONS IN MOVING TARGET INDICATION DATA

(Only for new nonprovisional applications under 37 CFR 1.52(b))

Express Mail Label No. EL794610838 US

903 U.S. PTO 09/870805	5/31/01
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APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231					
1. Applicant claims small entity status. 3. Specification [Total Pages27_]  (preferred arrangement set forth below)  -Descriptive title of the invention  -Cross Reference to Related Applications  -Statement Regarding Fed sponsored R & D  -Reference to sequence listing, a table, or a computer program listing appendix  -Background of the Invention  -Brief Summary of the Invention  -Brief Description of the Drawings (if filed)37 CFR 3.73(b)  -Detailed Description  -Claim(s)  -Abstract of the DisclosureCopies of IDS Citations  4. X Drawing(s) (35 U.S.C. 113) [Total Sheets7]  5. X Oath or Declaration [Total Pages2_]  a. X Newly executed (original or copy)  b. Copy from a prior application (37 CFR 1.63(d))  (for continuation/divisional with Box 17 completed)  i. DELETION OF INVENTOR(S)  Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR  1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76		7. CD-ROM or C-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27 (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:     i. CD-ROM or CD-R (2 copies); or     ii. paper  c. Statements verifying identity of above copies a computer program listing appendix  ACCOMPANYING APPLICATION PARTS  9. X Assignment Papers (cover sheet & document(s))  10. 37 CFR 3.73(b) Statement Power of Attorney  11. English Translation Document (if applicable)  12. Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations  13. Preliminary Amendment  14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  15. Certified Copy of Priority Document(s) (if foreign priority is claimed)  16. Other: Express Mailing Certificate						
under 37 CFR 1.76:  Continuation  Prior application information: For CONTINUATION OR DIVISIGN a part of the disclosure of the acc	Divisional Examiner  DNAL APPS only: The entire disclosure of the price tently omitted from the submitted application part	tion-in-part ior application	of prior applicat Gi on, from which ar	on No.: / oup/Art Unit: / oath or declaration	is supplied under E	- Box 5b, is considered		
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Country	U.S.A.							
Name (Print/Type)	Bruce B. Brunda	Re	egistration No. (A	torney/Agent)	28,497			
Signature	On D Deen				Date: 0.5 / 3.1	1/01		
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## PTO/SB/17 (09-00) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known **FEE TRANSMITTAL** Application Number for FY 2001 Herewith Filing Date First Named Inventor Steven Allen Schwartz Patent fees are subject to annual revision. **Examiner Name** Group Art Unit TOTAL AMOUNT OF PAYMENT (\$) 786.00 Attorney Docket No. NORTH-439A/A-2234

METHOD OF PAYMENT	FEE CALCULATION (continued)
1 X The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES
indicated fees and credit any overpayments to: Deposit	Large Entity Small Entity Fee Fee Fee Fee Description Code (\$) Fee Paid
Account Number 14-1325	Code (\$) Code (\$)
Deposit Account Name Northrop Grumman Corporation	105 130 205 65 Surcharge - late filing fee or oath 127 50 227 25 Surcharge - late provisional filing fee or cover sheet 139 130 139 130 Non-English specification
	147 2,520 147 2,520 For filing a request for ex parte
<ul> <li>x Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</li> <li>Applicant claims small entity status. See 37 CFR 1.27</li> </ul>	reexamination  112 920* 112 920* Requesting publication of SIR prior to Examiner action
	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action
2. Payment Enclosed:	115 110 215 55 Extension for reply within first month
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☐ Check ☐ Credit card ☐ Money Order ☐ Other	118 1,390 218 695 Extension for reply within fourth month
	128 1,890 228 945 Extension for reply within fifty month
FEE CALCULATION	119 310 219 155 Notice of Appeal
	120 310 220 155 Filing a brief in support of an appeal
1. BASIC FILING FEE	121 270 221 135 Request for oral hearing
Large Entity Small Entity	138 1,510 138 1,510 Petition to institute a public use
Fee Fee Fee Fee Description	proceeding 140 110 240 55 Petition to revive-unavoidable
Code (\$) Code (\$) Fee Paid	141 1,240 241 620 Petition to revive-unintentional
	142 1,240 242 620 Utility issue fee (or reissue)
101 710 201 355 Utility Filing fee \$710.00	— 143 440 243 220 Design issue fee
106 320 206 160 Design Filing fee	144 600 244 300 Plant issue fee
107 490 207 245 Plant Filing fee	122 130 122 130 Petitions to the Commissioner
108 710 208 355 Reissue Filing fee 114 150 214 75 Provisional Filing fee	— 123 50 123 50 Petitions related to provisioanl applications
SUBTOTAL (1) \$ _ 710.00	126 240 126 240 Submission of Information Disclosure
· · · · · · · · · · · · · · · · · · ·	581 40 5 81 40 Recording each patent assignment per
	property (times number of properties) \$ 40.00 146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a))
2. EXTRA CLAIM FEES Fee from	149 710 249 355 For each additional invention to be examined
Extra Claims below Fee Paid	179 710 279 355 Request for Continued Examination (RCE)
Total Claims 22 - 20** = 2 X 18 = \$36.00 Independent	169 900 169 900 Request for expedited examination
Claims 2 - 3 = 0 X 0 =	of a design applicattion
Multiple Dependent =	Other fee (specify)
Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	
103 18 203 9 Claims in excess of 20 102 80 202 40 Independent claims in excess of 3 104 270 204 135 109 80 209 40 110 18 210 9	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$_\$40.00
SUBTOTAL (2) \$ 36.00 **or number previously paid, if greater; For Reissues, see above	-

SUBMITTED BY:				Corr	iplete (if applicable)
Name (Print/Type)	Bruce B. Brunda	Registration No. Attorney/Agent	28,497	Telephone	(949) 855-1246
Signature	Du O Obera			Date	05/31/01

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- 1. Utility Patent Application Transmittal (1 pg);
- 2. Fee Transmittal for FY 2001 (1 pg) (in duplicate);
- 3. Patent Application of (27 pgs);
- 4. Drawings (7 pgs);
- 5. Declaration for utility or Design Patent Application (2pgs);
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